

ABSTRACT OF THE INVENTION

A system and method for processing waste material. A system according to an embodiment of the present invention comprises a grid system for separating waste material into a solid component, and a liquid and tissue component, and a centrifuge for separating the liquid and tissue component into a liquid component and a tissue component. The system further includes a mixer for mixing the solid component and the tissue component to form a solid and tissue mixture, and a hydrolizer for combining the solid and tissue mixture and superheated steam to form a cellulose material. The system further includes an extruder for extruding the cellulose material to form a construction material.